

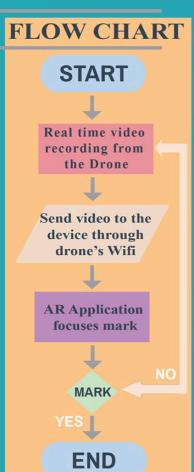


Member

Phanupong Kanlayasonthi, Narasisorn Chayaroonkutrat, and Siriwan Kullayanijaya, Princess Chulabhorn Science High School Chonburi

Advisors

Yupaporn (PCSHS Chonburi), Natsuki Hara (JICA), Kanuengnij Kubola (Burapa Univ.)



INTRODUCTION

The 3-dimentional(D) images with drone technology allow us to be able to take video in various situations.

The technique is to incorporate together



the drone, Augmented Reality (AR)*, and 3D technology. (*AR is the technology of adding computer picture onto the picture of the real world. It is different from a simulated picture of VR or Virtual Reality.)

OBJECTIVE

The integration of the 3D Technology, the Augmented Reality Technology, and the Drone Technology, which provides the brand-new perspective of the video, makes it become beyond interested and attractive.

SOFTWARE SPECIFICATION

Input: Insert the marks to the program.

Process: 1. Detect the marks and convert them into 3D models.

2. Real time video playing of the top beyond perspective view, while not detecting the marks.

Output: Display the 3D models on the video when the marks are found.